

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start		Rating **	A	Issue No.	57
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0501_01_f_2014_57				
Action/Comments					
Inspector Comments: The district has the O&M Manual.					

No Photos

LM Start		Rating **	A	Issue No.	58
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0501_01_s_2012_58				
Action/Comments					
Inspector Comments: RD 501 has emergency supplies in storage.					

No Photos

LM Start		Rating **	A	Issue No.	59
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0501_01_s_2012_59				
Action/Comments					
Inspector Comments: Crew members have been trained and are prepared for a flood.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	0.04	Rating **	M	Issue No.	4
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.230288 °	-121.603781 °
				38.253518 °	-121.602252 °
DWR ID	DWR_RD0501_01_s_2012_4				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.26	Rating **	M	Issue No.	123
LM End	1.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.250999 °	38.238869 °
				-121.603126 °	-121.604356 °
DWR ID	DWR_RD0501_01_f_2013_123				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP_2015_RD0501_169_123_20150420_00099.jpg



Looking downstream from landside slope.

LM Start	0.27	Rating **	U	Issue No.	413
LM End	0.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.250940 °	38.250047 °
				-121.603070 °	-121.603137 °
DWR ID	DWR_RD0501_01_s_2015_413				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comments: The district needs to remove the fig trees from the landside levee shoulder and slope.					

Photo 1 of 1 : SP_2015_RD0501_169_413_20150413_00092.jpg



Unacceptable woody tree growth on landside levee shoulder and slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	0.29	Rating **	M	Issue No.	414
LM End	0.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.250567 °	38.250367 °
				-121.603113 °	-121.603128 °
DWR ID	DWR_RD0501_01_s _ 2015_414				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.70	Rating **	M	Issue No.	71
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.244667 °	38.237470 °
				-121.602967 °	-121.604418 °
DWR ID	DWR_RD0501_01_s _ 2012_71				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	1.55	Rating **	U	Issue No.	417
LM End	1.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.232562 °	38.228025 °
				-121.603473 °	-121.604148 °
DWR ID	DWR_RD0501_01_s _ 2015_417				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: District 501 is aware of the wild growth of berries and are scheduling to have them removed.					

Photo 1 of 1 : SP_2015_RD0501_169_417_20150413_00094.jpg



Unacceptable growth of wild berries on the land side slope and toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	1.92	Rating **	M	Issue No.	131
LM End	2.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.227247 °	38.223326 °
				-121.604157 °	-121.603497 °
DWR ID	DWR_RD0501_01_f_2013_131				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.04	Rating **	M	Issue No.	26
LM End	2.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.225500 °	38.224738 °
				-121.603887 °	-121.603750 °
DWR ID	DWR_RD0501_01_s_2012_26				
Action/Comments					
Note and monitor erosion site.					

No Photos

LM Start	2.31	Rating **	U	Issue No.	116
LM End	2.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.221620 °	38.221620 °
				-121.603390 °	-121.603393 °
DWR ID	DWR_RD0501_01_f_2014_116				
Action/Comments					
Trim trees to at least five feet above ground level.					
Inspector Comments: Trim the trees to allow slope to be seen.					

Photo 1 of 1 : SP_2015_RD0501_169_116_20150312_00007.jpg



Looking downstream at the woody tree growth on the landward levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	2.38	Rating **	M	Issue No.	31
LM End	3.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.220732 °	38.202810 °
				-121.603734 °	-121.613523 °
DWR ID	DWR_RD0501_01_s_2012_31				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the wild growth so the levee slope can be seen and inspected.					

Photo 1 of 1 : SP_2015_RD0501_169_31_20150413_00096.jpg



Wild growth on levee section.

LM Start	2.84	Rating **	M	Issue No.	36
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.215112 °	38.208925 °
				-121.608273 °	-121.611162 °
DWR ID	DWR_RD0501_01_s_2012_36				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove and or thin so the slope can be inspected. Unable to see the ground under wild tree growth.					

Photo 1 of 1 : SP_2015_RD0501_169_36_20150413_00097.jpg



Wild growth of black locus trees on levee slope, thin out so levee slope can be seen.

LM Start	2.85	Rating **	M	Issue No.	11
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.214838 °	38.214075 °
				-121.608129 °	-121.608750 °
DWR ID	DWR_RD0501_01_f_2014_11				
Action/Comments					
Inspector Comments: 2009 - Rock is starting to unravel, probably from a tree pop-out, hard toe. 2013: No observed changes. [2013 Site ID: STM_18-9_R]					

Photo 1 of 1 : SP_2015_RD0501_169_11_20150312_00003.jpg



USACE 2013 Photo #1

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	3.04	Rating **	M	Issue No.	5
LM End	3.10	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.212573 °	38.211596 °
				-121.609760 °	-121.609928 °
DWR ID	DWR_RD0501_01_f_2014_5				
Action/Comments					
Inspector Comments: 2000 - Slow erosion of lower and mid-slope with rock bench at the low water line. 2013: No observed changes. [2013 Site ID: STM_18-8_R]					

Photo 1 of 1 : SP_2015_RD0501_169_5_20150312_00002.jpg



USACE 2013 Photo #1

LM Start	3.12	Rating **	M	Issue No.	418
LM End	3.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.211380 °	38.211380 °
				-121.610197 °	-121.610200 °
DWR ID	DWR_RD0501_01_s_2015_418				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	3.45	Rating **	M	Issue No.	419
LM End	3.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.206905 °	38.203150 °
				-121.612047 °	-121.613360 °
DWR ID	DWR_RD0501_01_s_2015_419				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	3.59	Rating **	M	Issue No.	47
LM End	3.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.204983 °	38.204227 °
				-121.612868 °	-121.613045 °
DWR ID	DWR_RD0501_01_s _ 2012_47				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comments: Not able to see levee slope.					

Photo 1 of 1 : SP_2015_RD0501_169_47_20150413_00095.jpg



Wild tree growth on landside slope and shoulder should be trimmed and thinned.

LM Start	3.73	Rating **	M	Issue No.	49
LM End	3.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.202997 °	38.202730 °
				-121.613447 °	-121.613520 °
DWR ID	DWR_RD0501_01_s _ 2012_49				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.74	Rating **	M	Issue No.	50
LM End	3.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.202820 °	38.202197 °
				-121.613498 °	-121.613732 °
DWR ID	DWR_RD0501_01_s _ 2012_50				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Control the growth on the slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	4.16	Rating **	M	Issue No.	17
LM End	4.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.197277 °	38.196657 °
				-121.616550 °	-121.617286 °
DWR ID	DWR_RD0501_01_s _ 2012_17				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	5.27	Rating **	M	Issue No.	65
LM End	5.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.193805 °	38.192457 °
				-121.635391 °	-121.637997 °
DWR ID	DWR_RD0501_01_f _ 2012_65				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	5.39	Rating **	M	Issue No.	978
LM End	5.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.192878 °	38.192588 °
				-121.637332 °	-121.637802 °
DWR ID	DWR_RD0501_01_f _ 2013_978				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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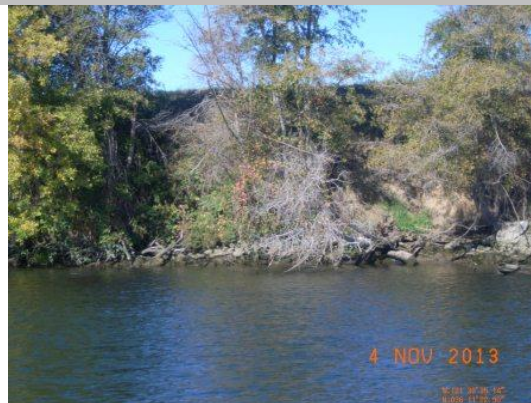
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	5.71	Rating **	M	Issue No.	24
LM End	5.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.190590 °	38.190246 °
				-121.642468 °	-121.643164 °
DWR ID	DWR_RD0501_01_s_2012_24				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	5.77	Rating **	M	Issue No.	3
LM End	5.84	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.190001 °	38.189311 °
				-121.643160 °	-121.643917 °
DWR ID	DWR_RD0501_01_f_2014_3				
Action/Comments					
Inspector Comments: 2008 - Overstepped levee section with multiple small pockets of erosion 10 - 20 ft wide. 2013: Site has fresh erosion and taller vertical sections. [2013 Site ID: STM_15-7_R]					

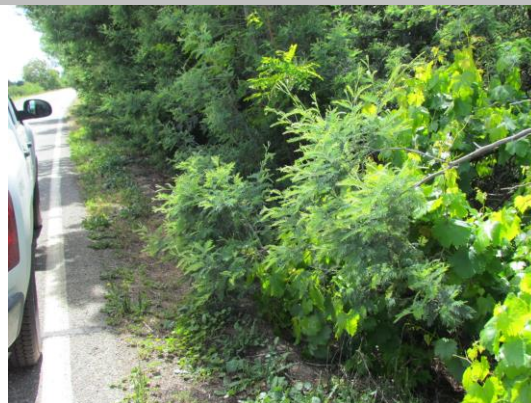
Photo 1 of 1 : SP_2015_RD0501_169_3_20150312_00001.jpg



USACE 2013 Photo #1

LM Start	5.88	Rating **	M	Issue No.	20
LM End	6.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.188929 °	38.185941 °
				-121.644645 °	-121.648359 °
DWR ID	DWR_RD0501_01_s_2012_20				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the wild growth from the levee section.					
Can't see the slope.					

Photo 1 of 1 : SP_2015_RD0501_169_20_20150420_00101.jpg



Looking downstream from landside slope unacceptable wild growth on the landward shoulder and slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Steamboat Slough	Right	6.71	04/08/2015 04/08/2015	Herman Phillips

LM Start	6.59	Rating **	M	Issue No.	23
LM End	6.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.184136 °	38.184040 °
				-121.655762 °	-121.656291 °
DWR ID	DWR_RD0501_01_s _ 2012_23				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	04/09/2015 04/08/2015	Herman Phillips

LM Start	0.00	Rating **	M	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.188260 °	38.188260 °
				-121.648701 °	-121.648700 °
DWR ID	DWR_RD0501_02_s_2012_21				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP_2015_RD0501_170_21_20150420_00035.jpg



Looking downstream along the landside levee slope.

LM Start	0.09	Rating **	M	Issue No.	181
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.185080 °	38.185838 °
				-121.658597 °	-121.658930 °
DWR ID	DWR_RD0501_02_s_2015_181				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	0.36	Rating **	M	Issue No.	47
LM End	2.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.188712 °	°
				-121.657735 °	°
DWR ID	DWR_RD0501_02_f_2014_47				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	04/09/2015 04/08/2015	Herman Phillips

LM Start	0.54	Rating **	M	Issue No.	11
LM End	0.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.191117 °	38.191170 °
				-121.656468 °	-121.656437 °
DWR ID	DWR_RD0501_02_s_2012_11				
Action/Comments					
Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comments: Remove the young willow trees from the levee slope.					

Photo 1 of 1 : SP_2015_RD0501_170_11_20150420_00037.jpg



Wild growth on the waterside levee slope.

LM Start	1.04	Rating **	M	Issue No.	10
LM End	1.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.198153 °	38.198153 °
				-121.655614 °	-121.655614 °
DWR ID	DWR_RD0501_02_s_2012_10				
Action/Comments					
Note and monitor erosion site. Inspector Comments: This erosion has not been repaired prior to the fall inspection.					

No Photos

LM Start	1.07	Rating **	M	Issue No.	8
LM End	1.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.198602 °	38.199148 °
				-121.655605 °	-121.655490 °
DWR ID	DWR_RD0501_02_s_2012_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the unacceptable growth from the waterside slope.					

Photo 1 of 1 : SP_2015_RD0501_170_8_20150420_00038.jpg



Unacceptable wild growth on the water side levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	04/09/2015 04/08/2015	Herman Phillips

LM Start	1.10	Rating **	M	Issue No.	5
LM End	1.17	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			38.199128 °	38.200146 °
				-121.655881 °	-121.655638 °
DWR ID	DWR_RD0501_02_f_2014_5				
Action/Comments					
Inspector Comments: 2005 - Large vertical sections due to wave wash. New stone dumped on the bank with exposed geotextile. Cohesive toe has thin weak stratigraphic unit that is washing out. 2006 - Partially repaired, but 100 ft in the middle of the reach has exposed filter fabric and stone riprap is gone. 2010 - Site extended downstream to include new erosion pocket. 2013: No observed changes. [2013 Site ID: CHS_15-9_L]					

Photo 1 of 1 : SP_2015_RD0501_170_5_20150312_00001.jpg



USACE 2013 Photo #1

LM Start	1.51	Rating **	M	Issue No.	1
LM End	2.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.204957 °	38.216130 °
				-121.655087 °	-121.667686 °
DWR ID	DWR_RD0501_02_f_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the tall weeds from the landward levee section.					

Photo 1 of 1 : SP_2015_RD0501_170_1_20150420_00039.jpg



Unacceptable tall weeds on the landward levee section.

LM Start	1.75	Rating **	M	Issue No.	75
LM End	1.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.208143 °	38.209209 °
				-121.655911 °	-121.656697 °
DWR ID	DWR_RD0501_02_f_2013_75				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.56	04/09/2015 04/08/2015	Herman Phillips

LM Start	1.94	Rating **	M	Issue No.	183
LM End	3.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.209332 °	38.227843 °
				-121.657765 °	-121.673095 °
DWR ID	DWR_RD0501_02_s _ 2015_183				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	2.90	Rating **	M	Issue No.	29
LM End	3.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.218885 °	38.221076 °
				-121.670022 °	-121.671360 °
DWR ID	DWR_RD0501_02_s _ 2014_29				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	04/09/2015 04/09/2015	Herman Phillips

LM Start	0.01	Rating **	U	Issue No.	1
LM End	0.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.227815 °	38.238702 °
				-121.673129 °	-121.664900 °
DWR ID	DWR_RD0501_03_s_2012_1				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the unwanted tall weeds from the landside slope.					

Photo 1 of 1 : SP_2015_RD0501_171_1_20150604_00069.jpg



View looking downstream along the landside shoulder.

LM Start	1.50	Rating **	M	Issue No.	127
LM End	2.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.244662 °	38.253090 °
				-121.657822 °	-121.655613 °
DWR ID	DWR_RD0501_03_f_2013_127				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.65	Rating **	M	Issue No.	13
LM End	7.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.246667 °	38.285653 °
				-121.658611 °	-121.606479 °
DWR ID	DWR_RD0501_03_s_2013_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	04/09/2015 04/09/2015	Herman Phillips

LM Start	2.26	Rating **	M	Issue No.	129
LM End	2.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254353 °	38.257521 °
				-121.654436 °	-121.651515 °
DWR ID	DWR_RD0501_03_f_2013_129				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.79	Rating **	M	Issue No.	130
LM End	3.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.260118 °	38.262839 °
				-121.651351 °	-121.647722 °
DWR ID	DWR_RD0501_03_s_2014_130				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	3.55	Rating **	C	Issue No.	15
LM End	3.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.266666 °	38.266857 °
				-121.641475 °	-121.641280 °
DWR ID	DWR_RD0501_03_s_2012_15				
Action/Comments					
Thin trees to allow visibility of the ground and room to flood fight.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.71	04/09/2015 04/09/2015	Herman Phillips

LM Start	4.57	Rating **	U	Issue No.	430
LM End	5.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.279153 °	38.283603 °
				-121.638700 °	-121.643350 °
DWR ID	DWR_RD0501_03_s _ 2015_430				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Remove the wild berries from the levee section.					

Photo 1 of 1 : SP_2015_RD0501_171_430_20150604_00070.jpg



Looking downstream at the landside the slope and toe covered with unacceptable wild growth.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	04/08/2015 04/08/2015	Herman Phillips

LM Start	0.01	Rating **	M	Issue No.	3
LM End	0.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.285529 °	38.285074 °
				-121.606258 °	-121.605489 °
DWR ID	DWR_RD0501_04_f_2012_3				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Control the vegetation on the landside slope.					

Photo 1 of 1 : SP_2015_RD0501_172_3_20150604_00045.jpg



View looking downstream from the landside shoulder.

LM Start	0.17	Rating **	M	Issue No.	52
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.283542 °	38.283542 °
				-121.604072 °	-121.604072 °
DWR ID	DWR_RD0501_04_f_2014_52				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	0.79	Rating **	M	Issue No.	65
LM End	0.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.275228 °	38.274872 °
				-121.602333 °	-121.602546 °
DWR ID	DWR_RD0501_04_f_2013_65				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	04/08/2015 04/08/2015	Herman Phillips

LM Start	0.99	Rating **	C	Issue No.	7
LM End	0.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.272733 °	38.272700 °
				-121.603940 °	-121.603953 °
DWR ID	DWR_RD0501_04_s _ 2012_7				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	1.81	Rating **	M	Issue No.	14
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.261142 °	38.260653 °
				-121.601542 °	-121.601435 °
DWR ID	DWR_RD0501_04_f _ 2013_14				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	1.91	Rating **	M	Issue No.	212
LM End	1.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.259748 °	38.259468 °
				-121.601212 °	-121.601122 °
DWR ID	DWR_RD0501_04_s _ 2015_212				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 0501 Ryer Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.28	04/08/2015 04/08/2015	Herman Phillips

LM Start	2.07	Rating **	M	Issue No.	213
LM End	2.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257515 °	38.256860 °
				-121.600737 °	-121.600823 °
DWR ID	DWR_RD0501_04_s _ 2015_213				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	2.15	Rating **	C	Issue No.	13
LM End	2.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.256275 °	38.255990 °
				-121.600933 °	-121.601015 °
DWR ID	DWR_RD0501_04_s _ 2012_13				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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